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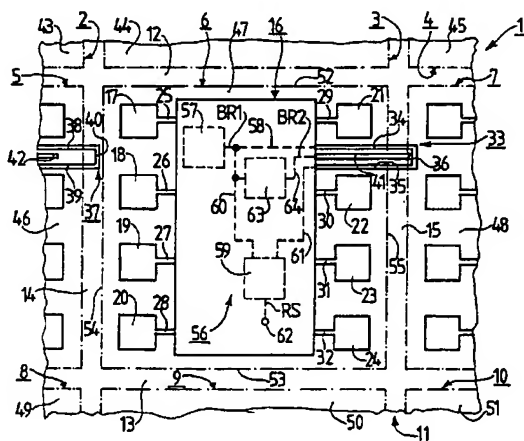
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF FABRICATING INTEGRATED CIRCUITS, PROVIDING IMPROVED SO-CALLED "SAW BOW" CONDUCTIVE TRACKS



(57) Abstract: An integrated circuit (6) has a semiconductor die (47) and an integrated circuit configuration (16) realized on the semiconductor die (47) and situated within bounding faces (52, 53, 54, 55) of the semiconductor die (47), in which two conductor track sections (34, 35) have been provided, which issue from the integrated circuit configuration (16) and which each extend up to a bounding face (55) and which are required for the application of a useful signal (BR1) utilized for test purposes during the fabrication of the integrated circuit (6), and in which an additional conductor track section (41) has been provided, which is disposed adjacent the two conductor track sections (34, 35) and which issues from the integrated circuit configuration (16) and extends toward a bounding surface (55) and preferably up to this bounding face (55) and which serves for the application of a spurious signal (BR2) which interferes with testing.

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 01/07685

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H01L23/58

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 42 00 586 A (PHILIPS PATENTVERWALTUNG) 15 July 1993 (1993-07-15) cited in the application abstract figures 1,2 claims 1-6 ---	1-6
A	EP 0 438 127 A (TOSHIBA MICRO ELECTRONICS ;TOKYO SHIBAURA ELECTRIC CO (JP)) 24 July 1991 (1991-07-24) abstract; figures 2,3 column 2, line 8 - line 27 claim 1 --- -/--	1-6

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 014, no. 045 (E-0880), 26 January 1990 (1990-01-26) & JP 01 276735 A (FUJI ELECTRIC CO LTD), 7 November 1989 (1989-11-07) abstract; figure 1 ---	1-6
A	US 5 059 899 A (DUESMAN KEVIN ET AL) 22 October 1991 (1991-10-22) abstract; figures 1-3 column 2, line 8 - line 21 column 3, line 17 - line 40 claim 1 -----	1-6

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 4200586	A	15-07-1993	DE 4200586 A1	15-07-1993
EP 0438127	A	24-07-1991	JP 2025097 C	26-02-1996
			JP 3214638 A	19-09-1991
			JP 7058725 B	21-06-1995
			DE 69105530 D1	19-01-1995
			DE 69105530 T2	04-05-1995
			EP 0438127 A2	24-07-1991
			KR 9410641 B1	24-10-1994
			US 5239191 A	24-08-1993
JP 01276735	A	07-11-1989	NONE	
US 5059899	A	22-10-1991	NONE	

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